

Abstract

If a cancer cell sampled from a cancer patient by biopsy or the like can be examined with respect to its expressed molecules to evaluate sensitivity of the cancer cell to the present compound, the present compound can be selectively administered only to the cancer patient who is expected to benefit from antitumor activity of the present compound, thereby to enhance the therapeutic effect and reduce unnecessary adverse effects. Specifically, the characteristics of a cancer cell with respect to "low level expression of pRB", "positive expression of p16" and "high level expression of cyclin E" are demonstrated to be useful as markers for sensitivity of the cancer cell to the present compound. Therefore, these characteristics of a cancer cell can be examined to evaluate previously sensitivity of the cancer cell to the present compound.